

Title (en)  
Lengthways' adjustable pneumatic spring

Title (de)  
Längenverstellbare Gasfeder

Title (fr)  
Ressort à gaz réglable en longueur

Publication  
**EP 2196695 B1 20140430 (DE)**

Application  
**EP 09177023 A 20091125**

Priority  
DE 102008061213 A 20081209

Abstract (en)  
[origin: EP2196695A2] The spring has a damping unit (36) comprising an inner control casing rotatable about a middle longitudinal axis (11) with respect to an outer damping housing. The casing is rotatable into two end positions by fluid flowing between two partial housing chambers (17, 18) in two opposite rotational directions, respectively. An outer through-flow opening of the housing and an inner through-flow opening of the casing are brought into overlap each other. The damping unit dampens insertion movement of a piston rod into a housing (1) and dampens ejection movement of the rod from the housing.

IPC 8 full level  
**F16F 9/34** (2006.01); **F16F 9/02** (2006.01); **F16F 9/32** (2006.01)

CPC (source: EP)  
**F16F 9/0236** (2013.01); **F16F 9/0272** (2013.01); **F16F 9/34** (2013.01)

Cited by  
WO2020034551A1

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 2196695 A2 20100616; EP 2196695 A3 20110727; EP 2196695 B1 20140430**; DE 102008061213 A1 20100610; ES 2474696 T3 20140709; PL 2196695 T3 20140930

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